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# Saft LS14500-STSZ AA 3.6V 2600mAh Lithium Battery with Reverse/Z Solder Tabs

Product price:

C\$13.84

**Product short description:**

The Saft LS14500-STS, LS-14500 Li-SOCl<sub>2</sub> 2600Mah Battery, equipped with Reverse/Z Solder Tabs, is a lithium-thionyl chloride battery that is non-rechargeable. Its design caters to a multitude of industrial applications, such as smart meters, alarm systems, and remote sensors. The battery comes with pre-attached soldering tabs, which ease its incorporation into devices or circuits that necessitate electrical connection soldering.

A closer look at the Saft LS14500 battery with soldering tabs reveals:

1. Battery Type: The Saft LS14500 is a primary battery of cylindrical shape, conforming to the standard size of AA or ER14505. It boasts a nominal voltage of 3.6 volts and a capacity of around 2600mAh, indicating its high-capacity lithium battery status.

2. Battery Chemistry: The LS14500 battery employs lithium-thionyl chloride (Li-SOCl<sub>2</sub>) chemistry. This results in high energy density and a broad operating temperature range from -60°C to 85°C. Such features make the battery a reliable choice for challenging industrial environments and applications that require dependable performance under extreme

**Product features:**

- Cell Size Reference: AA
  - Part Number: LS14500-STSZ
  - Nominal Capacity (mAh): 2600
  - Nominal Voltage: (at 0.2 mA + 20°C) 3.6V
  - Storage: + 30°C (+ 86°F) max
  - Diameter (Max): 14.62 mm (0.575 in)
  - Height (Max): 50.28 mm (1.98 in)
  - Typical Weight: 17 g (~ 0.6 oz)
  - Operating Temperature Range: - 60°C/+ 85°C (- 76°F/+ 185°F)
  - Li Metal Content: approx. 0.7 g
  - EAN / GTIN: 8594052538304
  - Termination Suffix: STSZ
  - Warnings: Fire, explosion and burn hazard. Do not solder directly to the cell
  - Open Circuit Voltage: (at +20°C) 3.67V
  - Storage Info: The storage area should be clean, cool (preferably not exceeding + 30°C), dry and Ventilated
  - Compliance: IEC 60086-4, IEC 60079-11
  - Type of Termination: With Tabs (Opposite Directions)
  - Pulse Capacity: Typically up to 250 mA
  - Maximum Continuous Current: 50
  - Nominal Energy: 9.36 Wh
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temperature conditions.

3. Reverse Z Style Soldering Tabs: The LS14500 battery includes soldering tabs attached to its positive and negative terminals. These metal tabs offer convenient points for soldering the battery into a circuit or device. Welded in a reverse direction, these tabs are termed as Z style configuration. They are designed to endure the heat of soldering without causing any damage to the battery. They can be effortlessly soldered to other components or circuit boards to establish secure electrical connections.

In conclusion, the Saft LS14500 battery with Z style soldering tabs is a high-capacity, non-rechargeable lithium-thionyl chloride battery used frequently in industrial applications. The soldering tabs facilitate easy soldering of the battery into a circuit or device, simplifying its integration into various applications requiring a reliable and long-lasting power source. However, it is crucial to adhere to proper handling, soldering, and safety guidelines for safe and effective usage of the battery.

**Product codes:**

Reference: LS14500-STSZ

EAN13: 8594052538304

UPC: 859405253830

**Product attributes:**

**Product gallery:**



